

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Yoshio MACHIDA

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: COMPUTED TOMOGRAPHY APPARATUS AND PROGRAM

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Marvin J. Spivak

Registration No. 24,913

C. Irvin McClelland  
Registration Number 21,124

Customer Number

22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

DOCKET NO: 242439US2

Sheet 1 of 1

IN RE APPLICATION OF: Yoshio MACHIDA

SERIAL NO: New Application

FILED: Herewith

FOR: COMPUTED TOMOGRAPHY APPARATUS AND PROGRAM

**STATEMENT OF RELEVANCY**

**Reference AO (JP 8-187240) on Form PTO- 1449:**

The invention shows a computed tomography that collects projection data sets by helical scanning using a two-dimensional detector. '240 extracts approximate projection data for an x-ray path approximate to a position an arbitrarily determined virtual plane (for example, an oblique plane) from the projection data sets, and reconstructs an image based on the approximate projection data.

**Reference AP (JP 5-317302) on Form PTO- 1449:**

The invention shows a computed tomography that generates a vertical section image and a virtual section image based on projection data sets collected by helical scanning. A blue and an artifact of the images are obtained from a differential image between the vertical section image and the virtual section image.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 242439US2		SERIAL NO. NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Yoshio MACHIDA					
		FILING DATE HEREWITH		GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,708,691	01/13/98	Ilan ZMORA			
	AB	5,825,842	10/20/98	Katsuyuki TAGUCHI			
	AC	6,415,012	07/02/02	Katsuyuki TAGUCHI, et al.			
	AO						
	AF						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	AO	8-187240	07/23/96	Japan	YES		NO
	AP	5-317302	12/03/93	Japan			x
	AO						
	AP						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	S. SCHALLER, et al., "Exact Radon Rebinning Algorithm for the Long Object Problem in Helical Cone-Beam CT", IEEE TRANS. MED. ING. 19, 2000, 1 page (Abstract only)					
	AX	Marc KACHELRIESS, et al., "Advanced Single-Slice Rebinning in Cone-Beam Spiral CT", MED PHYS., Vol 27, No. 4, April 2000, pgs. 754-772					
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.